

INTERNATIONAL SEARCH REPORT

Inten	al Application No
PCT/IB2004/050613	

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H03K19/003

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H03K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)
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EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT
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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 014 581 A (SIEMENS AG) 28 June 2000 (2000-06-28) the whole document	1-9, 13-15
X	US 5 717 343 A (KWONG DAVID) 10 February 1998 (1998-02-10) column 8, line 16 - column 9, line 19; figures 6,7	1,2, 13-15
A	US 6 329 835 B1 (CHEN BAOHUA) 11 December 2001 (2001-12-11) figure 8	1,15
A	US 2003/025523 A1 (KRISHNAMURTHY RAM ET AL) 6 February 2003 (2003-02-06) the whole document	1,15

<input type="checkbox"/> Further documents are listed in the continuation of box C.

<input checked="" type="checkbox"/> Patent family members are listed in annex.
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- "Y" document of particular relevance; the claimed Invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the International search

13 July 2004

Date of mailing of the International search report
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23/07/2004

Name and mailing address of the ISA

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Information on patent family members

Internat.	Application No
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Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP 1014581	A 28-06-2000	US 6177810 B1	CN 1259743 A	23-01-2001
		EP 1014581 A1	JP 2000183722 A	12-07-2000
		KR 2000048169 A	TW 465183 B	28-06-2000
				30-06-2000
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				21-11-2001
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US 6329835	B1 11-12-2001	NONE		
US 2003025523	A1 06-02-2003	NONE		